**7 July 2014**

CBER Diagnosis History File

MHS Data Repository (MDR)

(Version 1.00.01)

Future Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Para/Tbl/Fig** | **Originator** | **Description of Change** |
| 1.00.00 | 03/11/2014 | * Initial | W. Funk | * Initial version |
| 1.00.01 (on hold) | 7/7/2014 | * Section VI * Table 1 * Appendix A * Table 2 | W.Funk | * Clarification of finder file and background. Removal of requirement to de-duplicate. * Removal of column about CBER products. (Moved to appendix). Removed 837-P, NCPDP and 837-I dates of care from final output. Clarified business rules and lengths for noted fields * Clarified finder file development and layout. * Changed length of diagnosis code qualifier. |

# MDR CBER Diagnosis History File

1. Source

MDR CAPER, TED-N, CBER NCPDP, CBER 837P, CBER 837I

1. Transmission (Format and Frequency)

N/A

1. Organization and batching

The CBER diagnosis history file is updated monthly, and represents a cumulative file.

1. Receiving Filters

## None.

1. Refresh Frequency

Monthly.

1. Data Marts

None

1. Field Transformations and Deletions for MDR Core Database

A finder file is used in the preparation of the MDR CBER Diagnosis History file. The finder file is a list of persons receiving ancillary services for whom a matching CAPER or SIDR record have not been found. The diagnosis history file is intended to assist in finding diagnosis history for ancillary services provided with no matching healthcare record from CHCS. The CBER Diagnosis history file is created by gathering the person identifiers (patient SSN and EDIPN) and service dates from CBER NCPDP, 837-I and 837-P when the record source is CADRE Pharmacy ,Lab or Rad and the primary diagnosis code is blank. ~~These person identifiers and dates of care are then de-duplicated and the resultant dataset is referred to as the finder file.~~  See appendix A for more specific information on the creation of the finder file. This finder file is merged to the CAPER and TED-N (first by EDIPN, then by SSN for the non-matches) to retrieve diagnosis information from records that occur within 3 days (+/-) of the begin and end dates in the file. That is, 3 days before the begin date through 3 days after the latest end date for each beneficiary in the finder file.

The final output for the MDR CBER Diagnosis History SAS Dataset is described in Table 1.

**Table 1: Fields in the MDR CBER Diagnosis History File**

| **Data Element** | **Format** | **SAS Name** | **CAPER** | **~~837-P, NCPCDP or 837-I~~** | **TED-N** | **Derivation** |
| --- | --- | --- | --- | --- | --- | --- |
| DEERS Person ID | $10 | patunq | patunq | ~~patunq~~ | edi\_pn | No transformation. |
| Patient Social Security Number | $9 | patssn | patssn | ~~patssn~~ | patssn | No transformation. |
| ~~Reference Service Begin Date~~ | ~~SAS~~ | ~~ref\_begdate~~ | ~~encdate~~ | ~~encdate (837P) dispdate (NCPDP) dates (837I)~~ | ~~begdate~~ |  |
| ~~Reference Service End Date~~ | ~~SAS~~ | ~~ref\_enddate~~ | ~~encdate~~ | ~~encdate (837P) dispdate (NCPDP) dates (837I)~~ | ~~enddate~~ |  |
| **From CAPER or TED-N** | | | | | | |
| Provider NPI, n=1 to 4 | $10 | prov\_npi1-4 | provnpi1-4 | ~~N/A~~ | provnpi | For TED-N, fill with provnpi; for CAPER, fill with all positions of provider information from CAPER. |
| HIPAA Taxonomy, n=1 to 4 | $10 | provhipaa1-4 | provhipaa1-4 | ~~N/A~~ | hipaaspc | For TED-N, fill provhipaa1 with hipaaspec; for CAPER, fill with all positions of provider information from CAPER |
| Provider Role, n=1 to 4 | $1 | provrole1-4 | provrole1-4 | ~~N/A~~ | N/A | For TED-N, blank fill. For CAPER, fill with all positions of provider information from CAPER. |
| Begin Date | SAS | begdate | encdate | ~~N/A~~ | begdate | No transformation. |
| End Date | SAS | enddate | encdate | ~~N/A~~ | enddate | No transformation. |
| Diagnosis Code Qualifier | $3 | dx\_type | N/A | ~~N/A~~ | N/A | If the begin date of care is <parameter[[1]](#footnote-1)> then set to “ABF” else “BF ” |
| Diagnosis Code Count | 3 | dx\_num | N/A | ~~N/A~~ | N/A | Set to the number of diagnoses coded on the record. |
| Diagnosis, n=1 to 8 | $7+7\*dx\_num | dxn | dXn | ~~N/A~~ | dxn | 8 separate fixed length (7 character) fields If diagnosis code qualifier is “BF”, then blank out characters 6 and 7 of the diagnosis code. |

**SECTION IX: Special Outputs**

A “^” delimited text feed is to be provided to the Services whenever the MDR CBER Diagnosis History file is updated in the MDR. The format of this feed is described in Table 2.

**Table 2: Format of MDR Diagnosis History feed to the Services**

| **Element** | **Output Position** | **Format** | **Note** |
| --- | --- | --- | --- |
| DEERS Person ID | 1 | $10 |  |
| Patient Social Security Number | 2 | $9 |  |
| Provider NPI; n=1 to 4 | 3 | $10 | 4 separate fixed length fields with no delimiter between them. |
| HIPAA Taxonomy; n=1 to 4 | 4 | $10 | 4 separate fixed length fields with no delimiter between them. |
| Provider Role; n=1 to 4 | 5 | $1 | 4 separate fixed length fields with no delimiter between them. |
| Begin Date | 6 | CCYYMMDD | Reformat to CCYYMMDD |
| End Date | 7 | CCYYMMDD | Reformat to CCYYMMDD |
| Diagnosis Code Qualifier | 8 | $3 |  |
| Diagnosis Code Count | 9 | 3 |  |
| Diagnosis, n=1 to 8 | 10 | $7 | 8 separate fixed length fields with no delimiter between them. |

**Appendix A: Content of Finder File Used in Diagnosis History File**

The finder file is created by reading in records from the 837P, 837I and NCPCP files and keeping only records where the primary diagnosis is empty for any of the CBER 837P, CBER 837I or CBER NCPDP. The content and business rules for this file are contained in Table 3.

Table 3: Initial Finder File Content

| **Data Element** | **Format** | **SAS Name** | **837P** | **837I** | **Rx** | **Derivation** |
| --- | --- | --- | --- | --- | --- | --- |
| DEERS Person ID | $10 | patunq | Patunq | patunq | edi\_pn | No transformation. |
| Patient Social Security Number | $9 | patssn | Patssn | patssn | patssn | No transformation. |
| Reference Service Begin Date | SAS | ref\_begdate | Encdate | substr(dates,1,8) | dispdate | No transformation. |
| Reference Service End Date | SAS | ref\_enddate | encdate | substr(dates,10,8) | dispdate | Transformed to SAS dates |

1. Parameter should currently be set at Oct 1, 2015 currently. [↑](#footnote-ref-1)